

From: [Granger, Michelle](#)
To: [Hauber, Erin M CIV USARMY CENWK \(US\)](#)
Subject: Re: Pohatcong OU3 - Additional PDI borings
Date: Monday, August 6, 2018 4:48:36 PM

Hi, Erin-

Thank you for the revised version of the map. I'll let you know if I need anything else.

Best,

Michelle-

From: Hauber, Erin M CIV USARMY CENWK (US) <Erin.M.Hauber@usace.army.mil>
Sent: Thursday, August 2, 2018 5:48:07 PM
To: Granger, Michelle
Subject: RE: Pohatcong OU3 - Additional PDI borings
Sure. Try this one.

-----Original Message-----

From: Granger, Michelle [<mailto:Granger.Michelle@epa.gov>]
Sent: Thursday, August 2, 2018 1:53 PM
To: Hauber, Erin M CIV USARMY CENWK (US) <Erin.M.Hauber@usace.army.mil>
Subject: [Non-DoD Source] RE: Pohatcong OU3 - Additional PDI borings

Hi, Erin-

Thank you! Would you be able to revise the fig attached to show the borings north and south of 25 and 26, and delete any language mentioning the shutdown period in both bubbles? Thank you!
Michelle-

From: Hauber, Erin M CIV USARMY CENWK (US) [Erin.M.Hauber@usace.army.mil]
Sent: Thursday, August 2, 2018 12:55 PM
To: Granger, Michelle
Cc: Watts, Joshua A CIV USARMY CENWK (US); Brink, Bradley J CIV USARMY CENWK (US)
Subject: Pohatcong OU3 - Additional PDI borings

Michelle,

Per our conversation yesterday, the text below and attached figure detail our concerns with PDI schedule vs. design submittals, request additional information and borings.

USEPA would like to better understand the schedule and constraints for installing remaining PDI borings and defining the volume of TCE soils greater than 1 mg/kg. In order to approve the 90% design, USEPA would like to know the extent of treatment and whether the approach of installing thermal conduction heaters and SVE wells via angled borings from the molding rooms at an angle no

greater than 30-degrees from horizontal will be able to reach the entire TCE volume above the remediation goal. We have the following questions:

* How many borings or step-outs can be installed in the blue ovals during the plant shutdown (see attached slide from July 2, 2018 presentation to USEPA)? What is the duration of shutdown and how many rigs will be onsite?

* Both PDI-SB25 and 26 were installed within the hallway parallel to the molding room, outside the manufacturing area. Our understanding is installation of these did not require shutdown. Can borings be installed to the north and south of PDI-SB25 and 26, respectively outside of the shutdown period? USEPA and USACE believe these locations are needed in addition to proposed borings within the manufacturing area.

* If results indicate additional delineation is needed, will the PRP be prepared to continue drilling, perhaps from the outside of the building via angled borings or outside the manufacturing area?

Let me know if you need anything else or would like to talk through.

Erin

Erin Hauber, P.E.

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